

Application No. 10/783,620
Amendment dated January 4, 2007
In response to Office Action Mailed: August 22, 2006



SEQUENCE LISTING

<110> Jiang, Liwen
SUN, Samuel Sai Ming

<120> PLANT GENE EXPRESSION SYSTEM FOR PROCESSING, TARGETING AND
ACCUMULATING FOREIGN PROTEINS IN TRANSGENIC SEEDS

<130> 14769US02

<140> US 10/783,620

<141> 2004-02-20

<150> US 60/449,367

<151> 2003-02-21

<160> 8

<170> PatentIn version 3.3

<210> 1

<211> 32

<212> PRT

<213> cytoplasmic tail sequences from BP-80

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Lys Tyr Arg Ile Arg Gln Tyr Met Asp Ser Glu Ile Arg Ala Ile Met
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Ala Gln Tyr Met Pro Leu Asp Ser Gln Glu Glu Gly Pro Asn His Val
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<211> 22

<212> PRT

<213> cytoplasmic tail sequences from alpha-TIP

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Lys Tyr Arg Ile Arg Pro Ile Glu Pro Pro Pro His His His Gln Pro
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Leu Ala Thr Glu Asp Tyr
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<211> 16

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<213> FLAG epitope tag sequences operably linked to a spacer

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<221> MISC_FEATURE

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<222> (1)..(8)
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<222> (9)..(16)
<223> part of the luminal portion of BP-80 immediately adjacent to the
TMD region

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Asp Tyr Lys Asp Asp Asp Asp Lys Ser Lys Thr Ala Ser Gln Ala Lys
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<210> 4
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<212> PRT
<213> signal peptide sequences from proaleurain

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Met Ala His Ala Arg Val Leu Leu Leu Ala Leu Ala Val Leu Ala Thr
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Ala Ala Val Ala Val Ala
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<210> 5
<211> 23
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<213> transmembrane domain sequences from BP-80

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Thr Trp Ala Ala Phe Trp Val Val Leu Ile Ala Leu Ala Met Ile Ala
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Gly Gly Gly Phe Leu Val Tyr
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<213> signal peptide sequences from the barley cysteine protease aleurain

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Met Ala His Ala Arg Val Leu Leu Leu Ala Leu Ala Val Leu Ala Thr
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Ala Ala Val Ala Val Ala
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<210> 7
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<213> signal peptide sequences from the rice storage protein glutelin

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Met Ala Ser Ile Asn Arg Pro Ile Val Phe Phe Thr Val Cys Leu Phe
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Leu Leu Cys Asp Gly Ser Leu Ala
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<210> 8
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<220>
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<223> part of the luminal portion of BP-80 immediately adjacent to the
TMD region

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Ser Lys Thr Ala Ser Gln Ala Lys
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